

Title (en)
MULTI-STAGE TESSELLATION FOR GRAPHICS RENDERING

Title (de)
MEHRSTUFIGE MOSAIKARBEIT FÜR DIE GRAFIKWIEDERGABE

Title (fr)
TESSELLATION À ÉTAPES MULTIPLES POUR RENDU GRAPHIQUE

Publication
EP 2269172 A1 20110105 (EN)

Application
EP 09723358 A 20090319

Priority
• US 2009037730 W 20090319
• US 5262808 A 20080320

Abstract (en)
[origin: US2009237401A1] This disclosure describes a multi-stage tessellation technique for tessellating a curve during graphics rendering. In particular, a first tessellation stage tessellates the curve into a first set of line segments that each represents a portion of the curve. A second tessellation stage further tessellates the portion of the curve represented by each of the line segments of the first set into additional line segments that more finely represent the shape of the curve. In this manner, each portion of the curve that was represented by only one line segment after the first tessellation stage is represented by more than one line segment after the second tessellation stage. In some instances, more than two tessellation stages may be performed to tessellate the curve.

IPC 8 full level
G06T 11/20 (2006.01)

CPC (source: EP US)
G06T 11/203 (2013.01 - EP US)

Citation (search report)
See references of WO 2009117619A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
US 2009237401 A1 20090924; US 8643644 B2 20140204; CA 2717278 A1 20090924; CN 101978393 A 20110216; CN 101978393 B 20161207; EP 2269172 A1 20110105; JP 2011515765 A 20110519; JP 5335888 B2 20131106; KR 101240815 B1 20130311; KR 20100127834 A 20101206; TW 201001329 A 20100101; WO 2009117619 A1 20090924

DOCDB simple family (application)
US 5262808 A 20080320; CA 2717278 A 20090319; CN 200980109895 A 20090319; EP 09723358 A 20090319; JP 2011500968 A 20090319; KR 20107023368 A 20090319; TW 98109306 A 20090320; US 2009037730 W 20090319